

## Legislation Text

---

File #: 15-7430, Version: 1

---

### **McAlpine Creek Wastewater Treatment Plant Reliability and Process Improvements Project Phase 2**

#### **Action:**

**Approve a contract in the amount of \$17,830,674 with Garney Companies, Inc. for Phase 2 design-build services for the McAlpine Creek Wastewater Treatment Plant Reliability and Process Improvements Project.**

#### **Staff Resource(s):**

Angela Lee, Charlotte Water  
Ron Hargrove, Charlotte Water  
Carl Wilson, Charlotte Water

#### **Explanation**

- The McAlpine Creek Wastewater Treatment Plant (WWTP) is located in the southern part of Mecklenburg County (City Council District 7), and is the largest of five major WWTPs operated and maintained by the City.
- The McAlpine Creek WWTP Reliability and Process Improvements (RPI) Project involves rehabilitating or replacing critical components of the wastewater treatment process systems to ensure reliable discharge permit compliance. Some components have been in operation past their useful life.
- The RPI Project will be designed and constructed in phases over a span of up to five years and has an estimated construction cost of approximately \$90 million.
- The design-build delivery method was chosen for delivery of the project due to the complexity and critical area of the WWTP in which the project will be constructed. This approach allows for a qualifications based selection of a design-build team that is well qualified to perform the work included in the scope of the Project.
- On September 1, 2017, the City issued a Request for Proposals (RFP) for Phase 2 design-build services for the McAlpine Creek Wastewater Treatment Plant Reliability and Process Improvements Project. In response to the RFP, the City received five proposals from interested service providers.
- Garney Companies, Inc. was determined to be the best qualified firm to meet the City's needs on the basis of demonstrated competence and qualifications in response to the RFP requirements.
- This contract provides Construction and Professional Services for Phase 2 of the RPI Project, including:
  - Construction of a full scale process pilot, including operational support
  - Analysis of data resulting from the full scale process pilot and recommendations of options for future phases of the project
  - Design and determination of construction cost for future phases of the project
- The initial contract included Phase 1 of the RPI project and was approved by City Council on February 26, 2018.
- Additional phases of the Project will be presented to Council in the future, with the anticipated date of the next phase in the summer of 2019.

#### **Charlotte Business Inclusion**

Because this is a Design-Build project, the Design-Builder has the opportunity to add on Minority, Women, and Small Business Enterprise firms throughout the life of the project. However, Garney Companies has committed 9.38% (\$1,254,439), excluding Allowances, of the approved tasks to the following certified

firms:

- CITI, LLC (MBE) (\$600,549) (instrumentation & control)
- The Huffstetler Group, Inc. (SBE) (\$325,000) (grit removal)
- Southeastern Consulting Engineers, Inc. (SBE) (\$199,000) (electrical design)
- Sweetwater Utility Exploration, LLC (SBE) (\$100,000) (utility exploration)
- Joel E Wood & Associates (SBE) (\$19,890) (monitoring well installation)
- Richa Graphics (SBE) (\$10,000) (reprographics)

**Fiscal Note**

Funding: Charlotte Water Community Investment Plan

**Attachment(s)**

Map